

EXPANSION JOINT SYSTEM STRIP SEAL

March 13, 1995

Description

This work shall consist of furnishing and installing strip seal expansion joint system as shown in the Plans.

Submittals

The Contractor shall submit working drawings of the expansion joint system to the Engineer for approval in accordance with Section 6-03.3(7). These plans shall include but not be limited to the following:

- a. Plan, elevation, and sections of the joint system and all components, with dimensions and tolerances.
- b. All material designations.
- c. Manufacturer's written installation procedure.
- d. Corrosion protection system used on the metal components.
- e. Locations of welded shear studs, lifting mechanisms, temperature setting devices, and construction adjustment devices.
- f. Method of sealing the system to prevent leakage of water through the joint.

Materials

The metal components shall conform to AASHTO M 183 or M 222.

The metal components shall be protected against corrosion by one of the following methods:

1. Zinc metallized in accordance with the Special Provision **METALLIC COATINGS**.
2. Hot-dip galvanized in accordance with AASHTO M 111.
3. Paint in accordance with the Special Provision **APPLICATION OF PAINT**. The color of the final coat shall be Washington Gray (Revised). The surfaces embedded in concrete shall be painted only with a shop coat of inorganic zinc silicate paint.

The strip seal shall be continuous for the full length of the joint. No splices will be permitted.

Construction Requirements

The strip seal shall be removable and replaceable.

Other than items shown in the Plans, threaded studs used for construction adjustments are the only items that may be welded to the steel shapes provided they are removed by grinding after use, and the area repaired by application of an approved corrosion protection system.

If the opening between the steel shapes is anticipated to be less than 38 millimeters at the time of seal installation, the seal may be installed prior to encasement of the steel shapes in concrete.

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After the joint system is installed, the joint shall be flooded with water and inspected, from below the joint, for leakage. If leakage is observed, the joint system shall be repaired by the Contractor, as recommended by the manufacturer and approved by the Engineer, at no additional cost to the Contracting Agency.

Payment

All costs in connection with furnishing and installing the expansion joint system as shown in the Plans shall be included in *** \$1\$ \$ ***.